PATENT

Attorney's Docket No. ITW 8014.63

NOV 1 3 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Geissler

Application No.: 10/629377

Filed: July 28, 2003

For: Power Converter With Low Loss Switching

Mail Stop DD Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Enclosed with this Information Disclosure Statement is a FORM P.T.O. 1449 and identification of prior application(s) in which listed information was already cited and for which no copies are submitted or need be submitted.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8a)

I hereby certify that this correspondence is, on the date shown below, being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

George R. Corrigan Reg. No. 34,803

Identification Of Prior Application(s) In Which Listed Information Was Already Cited And For Which No Copies Are Submitted Or Need Be Submitted

U.S. Patent Application Serial No. 10/176,712, filed June 20, 2002, entitled Power Converter With Low Loss Switching, which is a continuation of, and claims the benefit of the filing date of, U.S. Patent Application Serial No. 09/778,697 filed February 7, 2001, entitled Power Converter With Low Loss Switching, which issued July 30, 2002 as Patent No. 6,426,888, which is a continuation of U.S. Patent Application Serial No. 09/495,969, filed February 2, 2000, entitled Power Converter With Low Loss Switching, which issued July 24, 2001 as Patent No. 6,266,257, which is a divisional of, and claims the benefit of the filing date of, U.S. Patent Application Serial No. 09/111,950, filed July 9, 1998, which issued September 5, 2000 as Patent No. 6,115,273.

The following references were submitted to, and/or cited by, the Office in the prior application(s) and, therefore, are not required to be provided in this application:

4,375,077 4,635,181 4,769,754 4,849,873 4,857,822 5,010,471 5,047,913 5,166,549	2/1983 1/1987 9/1988 7/1989 8/1989 4/1991 9/1991 11/1992	Williams Bourgeault Reynolds et al. Vanderhelst Tabisz et al. Klaassens et al. DeDoncker et al. DeDoncker
5,270,914 5,307,005 5,313,382 5,319,533 5,321,348 5,343,016 5,343,140 5,363,114	12/1993 4/1994 5/1994 6/1994 6/1994 8/1994 8/1994 6/1997	Lauw, et al. Ahladas et al. Farrington Reynolds et al. Vinciarelli et al Davis et al. Gegner Bhagwat et al.
5,412,310 5,414,613 5,418,704 5,438,498 5,477,131 5,563,777 5,570,279 5,574,636	5/1995 5/1995 5/1995 8/1995 12/1995 10/1996 10/1996	Wolk et al. Chen Hua et al. Ingemi Gegner miki et al. Venkataramanan Lee et al.



5,594,6 5,598,3 5,601,7 5,615,1 5,654,8 5,673,1 5,673,1	26 41 01 80 84 85	1/1997 1/1997 2/1997 3/1997 8/1997 9/1997 9/1997	Steigerwald Liu et al. Thommes Moriarty Brkovic et al Rilly et al. Albach et al. Johnson
5,675,4 5,691,8 5,712,5 5,714,7 5,715,1 5,715,1 5,731,9 5,734,5	90 36 31 50 55	10/1997 11/1997 1/1998 2/1998 2/1998 2/1998 3/1998 3/1998	Rademaker et al. Hyde Haas et al. Ulrich et al. Stava Shahani et al. Small Redl
5,740,0 5,742,4 5,748,4 5,793,1 5,811,7 5,815,3 5,841,2 5,874,8	95 57 90 57 86 68	4/1998 4/1998 5/1998 8/1998 9/1998 9/1998 11/1998 2/23/99	Abe Barone Poon et al. Sahlstom et al. Higgins Gordon Mednik Chen et al.
6,021,0 6,052,2 6,055,1 6,061,2 6,115,2 6,166,9 6,169,6 6,266,2 6,438,0	94 61 53 73 33 71	2/2000 4/2000 4/2000 5/2000 9/2000 12/2000 1 /2001 7/2001 8/2002	Baskette at al. Jacobs et al. Church et al. Igarashi et al. Geissler Bowers Mao Geissler Tanaka et al.
3134628 AT39886 0408253 4029117	2B A2	3/1983 6/1989 1/1991 3/1991	Germany Austria Europe Germany
GB 2258 AT 402 0410088 0608536	133B B1	7/1991 10/1992 12/1992 1/1993	Great Britain Austria Europe Europe
DE41281 GB22589		2/1993 2/1993	Germany Great Britain



DE4211	L906C1	6/1993	Germany		
060305	558	2/1994	Japan-Ab	stract	
DE1950	7649A1	3/1994	Germany		
AT0004	164U1	4/1994	Austria		
060853	86B1	8/1994	Europe		
DE 443	31665A1	3/1995	Germany		
DE 196	512319A1	4/1995	Germany		
054741		6/1995	Europe		
	534713A1		Germany		
DE4411	L227A1	10/1995	Germany		
WO 99/	63651	5/1998			
EP(UK)	0644011	8/1998	Great Br	ritain	
PCT/AT	199/00242		Austria		
PCT/AT	199/00263	11/1998	Austria	(Patent	Claims)
	04957B1	•	Europe		
	/74888A1				
	724302 U1	•	Germany		
	/53030A1		PCT		
DE 201	109760 U1	9/2001	Germany		

Daihen, Inc. 350XSR, Economical Solid-State DC Constant Voltage Arc Welding Machine. Brochure

Daihen, Inc. MIG-135 DC Constant Voltage Spool-Gun Arc Welding Machine. Brochure.

Daihen, Inc. MINI TIG 200P High Performance DC Inerter Pulse TIG (Stick) Welder. Brochure.

Daihen, Inc. TIGun Cold Wire TIG Spool-Gun. Brochure.

Daihen, Inc. Air Plasma Cutting Systems. Brochure. 11/97

Daihen, Inc., SW-101 "FILLET BUTT" Portable Submerged Gas Metal Automatic Arc Welder. Nov. 1997 Brochure

Daihen, Inc., D Series inverters MIG - TIG - STICK. August 1997 Brochure

Daihen, Inc. TURBO PULSE 350 DF/500DF August 1997 Brochure

Daihen, Inc. Semi-Automatic CO2/MAG Welding Machine Inverter. August 1997 Brochure

EWM/HIGH-TECH PRECISION. Brochure



Fronius PERFECT WELDING - TRANSTIG 2000/MAGIC WAVE 2000. Brochure.

OFFICIAL PROCEEDINGS OF THE FOURTEENTH INTERNATIONAL PCI '87 CONFERENCE, September 14-17, 1987, Long Beach, CA.

State-Plane Analysis of Parallel Resonant Converter 1985 IEEE

IECON '94 20th International Conference on Indrustrial Electronics, Control and Instrumentation Volume 1 of 3 Plenary Session Power Electronics copyright 1994 by The Institute of Electrical and Electronics Engineers, Inc.

The Analyses of ZVS Turn-off Loss and the New Snubber Circuit for the ARCP inverter IEEE 3/94

Resonant Transition Switching Welding Power Supply, 9/11/97, Institute for Power Electronics and Electrical drives

SIGNATURE OF ATTORNEY

Reg. No.: 34,803

Tel. No.: (920) 954-1099

5 Briarcliff Court Appleton,WI 54915

Sheet 1 of 1. SERIAL NO. ATTY. DOCKET NO. PormyPTO-1449 U.S. Department of Commerce Patent And Trademark Office 10/629377 ITW 8014.63 SE TRAC! APPLICANT SUPPLEMENTAL Geissler INFORMATION DISCLOSURE CITATION CROTTE FILING DATE July 28, 2003 PATENT DOCUMENTS U.S. CLASS SUB-FILING DATE NAME REF PATENT EXAM. CLASS DATE NUMBER INIT. Williams 4,375,077 2/1983 Bourgeault 1/1987 4,635,181 Revnolds et al. 4,769,754 9/1988 4,849,873 7/1989 Vanderhelst · 8/1989 Tabisz et al. 4,857,822 Klaassens et al 5,010,471 4/1991 DeDoncker et al. 5,047,913 9/1991 5,166,549 11/1992 DeDoncker FOREIGN PATENT DOCUMENTS TRANSLATION CLASS SUB-DATE COUNTRY EXAM REF DOCUMENT CLASS YES NUMBER INIT 3/1983 Germany 3134628 1/1991 Europe 0408253A2 3/1991. Germany 4029117A1 11/1992 0410088B1 Europe OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.) Daihen, Inc. 350XSR, Economical Solid-State DC Constant Voltage Arc Welding Machine. Brochure Daihen, Inc. MIG-135 DC Constant Voltage Spool-Gun Arc Welding Machine. Brochure. Daihen, Inc. MINI TIG 200P High Performance DC Inerter Pulse TIG (Stick) Welder. Brochure. Daihen, Inc. TIGun Cold Wire TIG Spool-Gun. Brochure.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

I hereby certify that this correspondence is, on the date shown below, being deposited with the U.S. Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

George R. Corrigan

*DN*G:\WP51\DOCS\ITW\8014.63\1449IDS1.wpd Thursday, October 23, 2003 12:30PM

HOV 1 3 2003 PT

m PTO-1449 U.S. Department of Commerce Patent And Trademark Office

ATTY.DOCKET NO. SERIAL NO. 1TW 8014.63 10/629377
APPLICANT

SUPPLEMENTAL INFORMATION DISCLOSURE CITATION

APPLICANT
Geissler
FILING DATE
July 28, 2003

TIME		ION DIDEL	ODOM CI	1111 1011	July 28,	2003		J	702	
			U.S.	PATENT	DOCUMENTS					
EXAM. REF PATENT NUMBER 5,270,914 12/199 5,307,005 4/1994 5,313,382 5/1994 5,321,348 6/1994 5,343,016 8/1994 5,343,140 8/1994 5,363,114 6/1997 5,412,310 5/1995 FORE EXAM REF DOCUMENT NUMBER 0608536A1 1/199 DE4128175A1 2/199 DE4211906C1 6/199 06030558 2/199 OTHER DOCUMENTS (Included in the second of t		NAME		CLA	ss	SUB- CLAS		ING E		
	†	5,270,914	12/1993	Lauw, et	al.					
				Ahladas e	et al.					
		5,313,382	5/1994	Farringto	on					
-		5,321,348	6/1994	Vinciare:	lli et al.	·]				
		5,343,016	8/1994	Davis et	al.		,	•		
		5,343,140	8/1994	Gegner		· ·				
		5,363,114	6/1997	Bhagwat e	et al.					
		5,412,310	5/1995	Wolk et a	al.					
		•	FOREIG	N PATEN	r DOCUMENT	'S				
EXAM	REF	DOCUMENT	DATE	COUNTRY		CLASS		B-	TRANSLA	TION
INIT	NIT NUMBER						CI	ASS	YES	NO
		0608536A1	1/1993	Europe	<u> </u>					
		DE4128175A1		Germany						
		DE4211906C1	6/1993	Germany		·	1			
		06030558	2/1994	Japan-Al	ostract		<u>l</u>	•		<u></u>
OTI	HER I	OCUMENTS	(Includi	ng Autho	or, Title,	Date	, P	ages	, Etc	c.)
			Inc. A	ir Plasm	a Cutting	Syste	ms.	Bı	rochu	re.
		Submerg	ed Gas N	SW-101 " Metal Au	FILLET BUT tomatic Ar	TT" Po	rta der	ble	Nov.	1997
					inverters	s MIG	r -	IG	- STI	CK.
· -					SE 350 DF/	/500DF			· · ·	
EXAMI	NER			DATE CONS	SIDERED					

EXAMINER

EXAMINER: Initial if citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

I hereby certify that this correspondence is, on the date shown below, being deposited with the U.S. Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

11/10/05

Form PTO-1449 U.S. Department of Commerce Patent And Trademark Office

ATTY.DOCKET NO. SERIAL NO. 1TW 8014.63 10/629377 APPLICANT

SUPPLEMENTAL INFORMATION DISCLOSURE CITATION

Geissler
FILING DATE
July 28, 2003

						July 28,	20	103		•	
	,			U.S.	PATENT	DOCUMENTS	}		-		
EXAM. INIT.	REF		ATENT UMBER	DATE	NAME			CLAS			
<u> </u>		5	,414,613	5/1995	Chen		-				
			,418,704		Hua et a	L					
		5	,438,498	8/1995	Ingemi						
		5	,477,131	12/1995	Gegner						
		- 5	,563,777	10/1996	Miki et a	al.		,			
		5	,570,279	10/1996	Venkatara	amanan					
		5	,574,636	11/1996	Lee et a	1.		<u> </u>			
		5	,594,629	1/1997	Steigerwa	ald				•	·
	<u> </u>	•	,	FOREIG	N PATEN	DOCUMEN'	TS				
EXAM	REF	DO	CUMENT	DATE	COUNTRY		C	LASS	ASS SUB- FILING DATE S SUB- TRANSLATION CLASS YES NO Pages, Etc.) Welding Machine COO/MAGIC WAVE TH INTERNATIONAL 1987, Long Conant Converter		
INIT	NUMBER				<u>.</u>				CLASS	YES	NO
		06	08536B1	8/1994	Europe				'		
		DE	4411227A1	10/1995	Germany						
.]			398862B _. .	6/1989	Austria						<u> </u>
		GB	2258958A	7/1991	Great Br	ritain					
OTI	HER	DOC	CUMENTS	(Includi	ng Autho	or, Title	, Da	ate,	Pages	s, Et	c.)
						omatic CO Brochu		AG W	Weldin	g Mac	hine
-			EWM/HIG	H-TECH E	PRECISIO	N. Broch	ure				
		٠		PERFECT Brochure		G - TRANS	TIG	200	00/MAG	IC WA	VE
•				CONFERE							ONA
		,	State-P 1985 IE		alysis o	f Paralle	l R	esor	nant C	onver	ter
EXAMI	NER	•	1985 IE	EE	DATE CONS	SIDERED				•	

EXAMINER: Initial if citation is in conformance with MPEP 609. Draw line

EXAMINER: Initial if citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

I hereby certify that this correspondence is, on the date shown below, being deposited with the U.S. Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents, P. O. Box 1450, Alexandra, VA 22313-1450

(1/10/05

Sheet 1 of 1. SERIAL NO. Form PTO-1449 ATTY, DOCKET NO. U.S. Department of Commerce Patent 10/629377 And Trademark Office ITW 8014.63 APPLICANT SUPPLEMENTAL Geissler INFORMATION DISCLOSURE CITATION GROUP FILING DATE July 28, 2003 PATENT DOCUMENTS U.S. CLASS SUB-FILING DATE NAME REF PATENT EXAM. CLASS DATE NUMBER INIT. 5,598,326 1/1997 Liu et al. 2/1997 Thommes 5,601,741 Moriarty 5,615,101 3/1997 8/1997 Brkovic et al. 5,654,880 Rilly et al. 5,673,184 9/1997 Albach et al. 5,673,185 9/1997 5,673,186 9/1997 Johnson ' 5,675,483 10/1997 Rademaker et al. FOREIGN PATENT DOCUMENTS TRANSLATION CLASS SUB-DATE COUNTRY EXAM REF DOCUMENT CLASS YES NUMBER INIT 10/1992 Austria AT 402133B 2/1993 Great Britain GB2258985A 3/1994 Germany DE19507649 **A**1 Austria AT000464U1 4/1994 OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.) IECON '94 20th International Conference on Indrustrial Electronics, Control and Instrumentation Volume 1 of 3 Plenary Session Power Elecronics copyright 1994 by The Institute of Electrical and Electronics Engineers, Inc. The Analyses of ZVS Turn-off Loss and the New Snubber Circuit for the ARCP inverter IEEE 3/94 Resonant Transition Switching Welding Power Supply, 9/11/97, Institute for Power Electronics and Electrical drives DATE CONSIDERED EXAMINER

EXAMINER: Initial if citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

I hereby certify that this correspondence is, on the date shown below, being deposited with the U.S. Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

1110107

NOV 1 3 2003 P.

1 3 5000	7											t 1 c	f 1.
Form PT	<u>०-र</u> ि	449	U A	.S. Departmend and Trademark	nt of Commerc Office	e Patent	ATTY.DOCKET NO ITW 8014					мо. 5293	77
BADE				SUPPLEME			APPLICANT Geissler						
INFO	ORI	TAN	CIC	N DISCL	OSURE CI	TATION	FILING DATE July 28,	20	03	·GR	OUP	,	
					U.S.	PATENT	DOCUMENTS						
EXAM.	1 -	EF		ATENT UMBER	DATE	NAME			CLASS	SUB-		FILI DATE	
	十		5	,691,890	11/1997	Hyde							
	Τ		5	,712,536	1/1998	Haas et a	al					,	
			5	,714,731	2/1998	Ulrich et	t al.						
			5	,715,150	2/1998	Stava							
	T		5	,715,155	2/1998	Shahani e	et al.						
	1.		5	,731,969	3/1998	Small				<u> </u>			
			5	,734,562	3/1998	Redl							
	1		5	,740,022	4/1998	Abe							
					FOREIC	N PATEN	r document	'S					
EXAM INIT	RE	- 1		CUMENT MBER	DATE	COUNTRY		CI		SUB- CLASS		anslat: ES	NO
			DE4	4431665A1	3/1995	Germany							
			DE A1	19612319	4/1995	Germany	······································						
		\neg	054	47417B1	6/1995	Europe							
			DE:	19634713	8/1995	Germany							
OTI	HE	R I	000	CUMENTS	(Includi	ng Autho	or, Title,	Da	ate,	Page	s,	Etc	.)
-									,	÷			•
				:			<u> </u>						
_			_ [· .			
EXAMI	NE	R				DATE CONS	SIDERED						
EXAMI throu	ıqh	ci	tat	tion if no	citation ot in conformation	formance a	formance wind not cons	th Nide	MPEP 6	09. D Inclu	raw de	lin	e of

I hereby certify that this correspondence is, on the date shown below, being deposited with the U.S. Postal Service as first class mail in an envelope oddressed to:

Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

NOV 1 3 2003 PTOE 1449

EXAM. REF PAINIT. 5, 5, 5, 5, 5, 5, 6, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	ATENT JMBER ,742,495 ,748,457 ,793,190 ,811,757 ,815,386 ,841,268 ,874,826 ,021,053	U.S. DATE 4/1998 5/1998 8/1998 9/1998 9/1998 11/1998 2/1999 2/2000						ING E
INFORMATIO EXAM. REF PAINIT. NU 5, 5, 5, 5, 6, EXAM REF DOC NUM DE 441 WO EP 0 064 PCT 242	ATENT JMBER ,742,495 ,748,457 ,793,190 ,811,757 ,815,386 ,841,268 ,874,826 ,021,053	U.S. DATE 4/1998 5/1998 8/1998 9/1998 9/1998 11/1998 2/1999 2/2000	PATENT NAME Barone Poon et a Sahlstom Higgins Gordon Mednik	FILING DATE July 28, DOCUMENTS		s sub-	FIL	
EXAM. REF PA INIT. 5, 5, 5, 5, 5, 5, 6, 5, 6, 1000 EXAM REF DOC NUM DE 441 WO EP 0 064	ATENT JMBER ,742,495 ,748,457 ,793,190 ,811,757 ,815,386 ,841,268 ,874,826 ,021,053	U.S. DATE 4/1998 5/1998 8/1998 9/1998 9/1998 11/1998 2/1999 2/2000	PATENT NAME Barone Poon et a Sahlstom Higgins Gordon Mednik	July 28, DOCUMENTS		s sub-	FIL	
EXAM REF DOC NUM DE 441 WO EP 0 064	JMBER ,742,495 ,748,457 ,793,190 ,811,757 ,815,386 ,841,268 ,874,826 ,021,053	DATE 4/1998 5/1998 8/1998 9/1998 9/1998 11/1998 2/1999 2/2000	NAME Barone Poon et a Sahlstom Higgins Gordon Mednik	al.	CLAS			
EXAM REF DOC NUM DE 441 WO EP 0 064 PCT 242	JMBER ,742,495 ,748,457 ,793,190 ,811,757 ,815,386 ,841,268 ,874,826 ,021,053	4/1998 5/1998 8/1998 9/1998 9/1998 11/1998 2/1999 2/2000	Barone Poon et a Sahlstom Higgins Gordon Mednik		CLAS			
5, 5, 5, 5, 6, 5, 6, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	,748,457 ,793,190 ,811,757 ,815,386 ,841,268 ,874,826 ,021,053	5/1998 8/1998 9/1998 9/1998 11/1998 2/1999 2/2000	Poon et a Sahlstom Higgins Gordon Mednik					:
5, 5, 5, 5, 6, 6, EXAM REF DOC NUM DE 441 WO EP 064 PCT 242	,793,190 ,811,757 ,815,386 ,841,268 ,874,826 ,021,053	8/1998 9/1998 9/1998 11/1998 2/1999 2/2000	Sahlstom Higgins Gordon Mednik					
5, 5, 5, 6, 5, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6,	,811,757 ,815,386 ,841,268 ,874,826 ,021,053	9/1998 9/1998 11/1998 2/1999 2/2000	Higgins Gordon Mednik	et al.				
EXAM REF DOC NUM DE 441 WO EP 064 PCT 242	,815,386 ,841,268 ,874,826 ,021,053	9/1998 11/1998 2/1999 2/2000	Gordon Mednik		<u></u>			
EXAM REF DOC NUM DE 441 WO EP 064 PCT 242	,841,268 ,874,826 ,021,053	11/1998 2/1999 2/2000	Mednik					
EXAM REF DOC NUM DE 441 WO EP 064 PCT 242	,874,826 ,021,053	2/1999 2/2000						
EXAM REF DOC NUM DE 441 WO EP 064 PCT 242	,021,053 CUMENT	2/2000	Chen et :		·			
EXAM REF DOC NUM DE 441 WO EP 064 PCT 242	CUMENT					,		
NIT NUM DE 441 WO EP 0 064 PCT 242			Baskette	et al.				
NIT NUM DE 441 WO EP 0 064 PCT 242		FOREIG	N PATEN	r DOCUMENT	S			
441 WO EP 0 064 PCT 242	REF DOCUMENT NUMBER		COUNTRY		CLASS	SUB- CLASS	YES	NO_
EP (064 PCT 242	L1227A1	10/1995	Germany					
064 PCT 242	99/63651						 	4_
242	(UK) 14011	8/1998	Great B	ritain				
OTHER DOC	r/AT99/00 2	10/1998	Austria Claims)	(Patent				
OTHER DOC	TIMENTIC	/Tncludi	ng Auth	or, Title,	Date	Page	s. Eta	~ .)
	OMEN 15	11101001	ing Aucin		<u> Bacc</u> ,	1430		
1								
i t				<u> </u>				
					: .			
EXAMINER			DATE CON	SIDERED				

I hereby certify that this correspondence is, on the date shown below, being deposited with the U.S. Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents, P. O. Box 1450, Alexandria, A. 22313-1450

ſ	Form PI	0-1449	U.S. Departmen	t of Commerce	e Patent	ATTY.DOCKET NO.			Sheet 1 RIAL NO. 0/629	
	" " O'E		And Trademark	Office		ITW 8014.	63		0/629	3 /
SAU			CIIDDI EME	אידיז ד.						
	TNE	יעשמי			TATTON			GE	ROUP	
- 1	· INF(JRIMA.	TION DISCER	SORE CI	IMITON	July 28,	2003	"	.001	
					D 2 (TEX TO					
						DOCUMENTS	1 07 2	a larm	1577	
		REF		DATE	NAME		CLAS	SS SUB-		
1	INIT.	-		. /2.2.2.2	To make o	- -1		CLIA	JO DAI	
							- 			_
										
						 				
		<u> </u>			Bowers					
			6,169,671	1 /2001	Mao				-	
	SUPPLEMENTAL Geiss									
		•	6,438,004	8/2002	Tanaka e	t al.				
				FOREIG	N PATEN	T DOCUMENT	S			
	EXAM	REF	DOCUMENT				CLASS	SUB-	TRANSLA	TIC
						-		CLASS	YES	1
			PCT/AT99/00	11/1998	Austria	(Patent				Т
						•	<u></u>			
			EPO	1/1999	Europe					
			WO	6/2000				-		
•			DE29724302	1/2001	Germany					
			WO	1/2001	PCT					
			DE 20109760	9/2001	Germany					
			U1			···	Data	Page	s Et	
	0.1	HER_	DOCUMENTS	(THCTUCI	ing Auth	or, frete,	Dace,	rage	.Б, ЦС	
		Ì							<u> </u>	
			-				<u>·</u> _	, ,	· · · · ·	
			·	<u> </u>	 .			٠.	-	
	EXAM	INER			DATE CON	SIDERED			*	
	<u> </u>							<u>. </u>		

I hereby certify that this correspondence is, on the date shown below, being deposited with the U.S. Postal. Service as first class mail in an envelope addressed to:

Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450